

7.3.4 Efficiency Standards for Residential Direct Heating Equipment, Including Pool Heaters**Effective for products manufactured January 1, 1990 through April 15, 2013**

<u>Direct Heating Equipment Type</u>	Standard Level (1) (AFUE %)
Gas wall fan type up to 42,000 Btu/hr	73
Gas wall fan type over 42,000 Btu/hr	74
Gas wall gravity type up to 10,000 Btu/hr	59
Gas wall gravity type over 10,000 Btu/hr up to 12,000 Btu/hr	60
Gas wall gravity type over 12,000 Btu/hr up to 15,000 Btu/hr	61
Gas wall gravity type over 15,000 Btu/hr up to 19,000 Btu/hr	62
Gas wall gravity type over 19,000 Btu/hr up to 27,000 Btu/hr	63
Gas wall gravity type over 27,000 Btu/hr up to 46,000 Btu/hr	64
Gas wall gravity type over 46,000 Btu/hr	65
Gas floor up to 37,000 Btu/hr	56
Gas floor over 37,000 Btu/hr	57
Gas room up to 18,000 Btu/hr	57
Gas room over 18,000 Btu/hr up to 20,000 Btu/hr	58
Gas room over 20,000 Btu/hr up to 27,000 Btu/hr	63
Gas room over 27,000 Btu/hr up to 46,000 Btu/hr	64
Gas room over 46,000 Btu/hr	65
Gas-fired pool heater	Thermal Efficiency = 78%

Effective for products manufactured on or after April 16, 2013

<u>Direct Heating Equipment Type</u>	Standard Level (1) (AFUE %)
Gas wall fan type up to 42,000 Btu/hr	75
Gas wall fan type over 42,000 Btu/hr	76
Gas wall gravity type up to 27,000 Btu/hr	65
Gas wall gravity type over 27,000 Btu/hr up to 46,000 Btu/hr	66
Gas wall gravity type over 46,000 Btu/hr	67
Gas floor up to 37,000 Btu/hr	57
Gas floor over 37,000 Btu/hr	58
Gas room up to 20,000 Btu/hr	61
Gas room over 20,000 Btu/hr up to 27,000 Btu/hr	66
Gas room over 27,000 Btu/hr up to 46,000 Btu/hr	67
Gas room over 46,000 Btu/hr	68
Gas hearth up to 20,000 Btu/hr	61
Gas hearth over 20,000 Btu/hr up to 27,000 Btu/hr	66
Gas hearth over 27,000 Btu/hr up to 46,000 Btu/hr	67
Gas hearth over 46,000 Btu/hr	68
Gas-fired pool heater	Thermal Efficiency = 82%

Note(s): 1) Annual Fuel Utilization Efficiency.

Source(s): Title 10, Code of Federal Regulations, Part 430 - Energy Conservation Program for Consumer Products, Subpart C - Energy and Water Conservation Standards and Their Effective Dates, January 1, 2010; Energy Conservation Standards for Residential Water Heaters, Direct Heating Equipment, and Pool Heaters: Final Rule, Federal Register, 75 FR 20112, April 16, 2010.